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Goat Anti-FCER1A Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4186a

Specification

Goat Anti-FCER1A Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	P12319
Other Accession	NP_001992.1
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**29596**

Goat Anti-FCER1A Antibody (internal region) - Additional Information

Gene ID 2205

Other Names
FCER1A; Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide; FCE1A; FcERI; Fc IgE receptor, alpha polypeptide; Fc epsilon RI alpha-chain; Fc-epsilon RI-alpha; high affinity immunoglobulin epsilon receptor alpha-subunit; high affinity immunoglobulin epsilon receptor subunit alpha; igE Fc receptor subunit alpha; immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

Dilution
WB~~1:1000
E~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence C-TGKVWQLDYESEP, from the internal region of the protein sequence according to NP_001992.1.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-FCER1A Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FCER1A Antibody (internal region) - Protein Information

Name FCER1A

Synonyms FCE1A

Function
High-affinity receptor for immunoglobulin epsilon/IgE. Mediates IgE effector functions in myeloid cells. Upon IgE binding and antigen/allergen cross-linking initiates signaling pathways that lead to myeloid cell activation and differentiation. On mast cells, basophils and eosinophils stimulates the secretion of vasoactive amines, lipid mediators and cytokines that contribute to inflammatory response, tissue remodeling and cytotoxicity against microbes. Triggers the immediate hypersensitivity response to allergens as a host defense mechanism against helminth parasites, pathogenic bacteria and venom toxicity. When dysregulated, it can elicit harmful life-threatening allergic and anaphylactic reactions.

Cellular Location
Cell membrane; Single-pass type I membrane protein

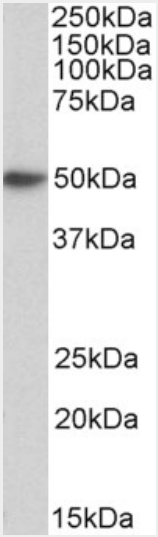
Tissue Location
Expressed in eosinophils.

Goat Anti-FCER1A Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-FCER1A Antibody (internal region) - Images



AF4186a (0.3 µg/ml) staining of Human Peripheral Blood Lymphocytes lysate (35 µg protein in

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RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-FCER1A Antibody (internal region) - References

Expression of high-affinity IgE receptor on human peripheral blood dendritic cells in children. Vasudev M, Cheung DS, Pincsak H, Li SH, Yan K, Simpson P, Dasu T, Grayson MH. PloS one 2012 7 (2): e32556.